

## **Damped Control of a Micromechanical Device**

### **ABSTRACT OF THE DISCLOSURE**

Device and method for a damping function to reduce undesirable mechanical transient responses to control signals. In one aspect of the present invention, the damping function may be used to reduce overshoot and oscillation when a digital micromirror is driven from a landing plate to the flat or neutral position. In another aspect of the present invention, the damping function may be used to reduce transient resonance of a digital micromirror when the micromirror is driven to a landing plate.